# SDWIS/FedRep User Support Activity Report
# for the Period March 24 - April 26, 2005

**EVENTS OPENED DURING PERIOD - STILL OPEN**

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|
| 4/5/2005 | 10998 | IA | Mike Weimann | |

| | |
|---|---|
| **Status:** | O |
| **Time Spent:** | 0.25 |
| **SDWIS/STATE Component:** | FedRep |

**Problem/Question:** When the audit team ran the 32 grant withholding report for Iowa, the report identified that several of IA's source water system facilities were missing the source treatment flag. Mike's question is why didn't the SDWIS/FED update process catch this error when he submitted the DTF transaction to SDWIS/FED, which would have allowed him to correct the data before the region ran the grant withholding report. How do SDWIS/FedRep and SDWIS/ODS handle this issue?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/12/2005: Need to get more information from Mike. I left a voice mail for Mike to call us back.

Gopa 4/26/2005: SDWIS/FedRep does not require treatment indicator, and it does not check the consistency of reported treatment indicators. SDWIS/ODS 1.1 and SDWIS/ODS 1.2 check the consistency of reported treatment indicators. Mike can continue to use the ODS Data Quality Report, which lists incorrect/inconsistent treatment indicators, to identify water system facilities that have incorrect/inconsistent treatment indicators.

Mike is going to send the reports generated by SDWIS/ODS 1.1 and SDWIS/FedRep 1.1 reporting the treatment indicator errors.

| Date: | Event #: | Organization: | Originator: |
|---|---|---|---|
| 4/26/2005 | 11122 | NC | Eric Chai |

| | |
|---|---|
| **Status:** | O |
| **Time Spent:** | 0.25 |
| **SDWIS/STATE Component:** | FedRep |

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 1 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

**Problem/Question:** I used xa-designer (from xaware) to generate an inventory xml document that only contains water systems entity.  I received a syntax error (see water system 04-26-05.doc) when I use SDWIS/FedRep 1.2 to validate xml document and I received the same syntax error when I validated an example of
inventory xml document which I received 2 weeks ago from help desk.  I feel that SDWIS/FedRep 1.2 on my PC may not able to know the location of schema, I ran SchemaUtility.bat again and received the exception (see Installation 04-26-05).  This is the configuration of my PC:

1. Operating System : Window xp professional with sp2
2. Java :  1.4.2_04
3. Tomcat : 5.0.28

Please help me to solve this issue.

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/26/2005: If we can get the schema utility to work, XML errors will go away. Please make sure that the JAVA_HOME and FEDREP_HOME environment variables are defined in the control panel.  If they are not, please create them and run the schemautility again.

---

| 4/26/2005 | 11120 | ND | Barrett Brown | |
|---|---|---|---|---|

**Status:** O

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** Email sent to Abe Siegel 4/26/05:  Abe, last week I spoke to you about some violations requiring a 3-month compliance period.  I have found that in our system we have entered the following violations in SDWIS and have successfully uploaded them to SDWIS/FED through a DTF, these five are all being rejected by SDWIS/FedRep.

The problem here is, these violations have already been accepted in SDWIS/FED, and in order to submit them with SDWIS/FedRep, we will need to change the data in SDWIS/FED and SDWIS/STATE before uploading with SDWIS/FedRep.

Violation 1:

PWSNumber:   ND2500266

Analyte:          0999

This document is only an informal communciation,
NOT a formal SDC deliverable.

Page 2 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

ID: 104

Type: 27

Cmp Prd B 2004-03-01

Cmp Prd E 2004-03-31

Error: R52700-e – If Violation Type is equal to 27, Compliance Period End Date, if submitted, shall be 3 months after Compliance Period Begin Date, if Contaminant Code is equal to 0999, 1006, 1011, of 2920.

Violation 2:

PWSNumber: ND2800825

Analyte: 2920

ID: 105

Type: 46

Cmp Prd B 2004-01-01

Cmp Prd E 2004-12-31

Error: R52830-c – If Violation Type is equal to 46, Compliance Period End Date, shall be required and exactly 3 months after Compliance Period Begin Date.

Violation 3:

PWSNumber: ND2800989

Analyte: 2920

ID: 104

Type: 46

This document is only an informal communciation,
NOT a formal SDC deliverable.

Page 3 of 37

**Date:** **Event #:** **Organization:** **Originator:** **Release:**

Cmp Prd B     2004-01-01

Cmp Prd E     2004-12-31

Error:     R52830-c – If Violation Type is equal to 46, Compliance Period End Date, shall be required and exactly 3 months after Compliance Period Begin Date.

Violation 4:

PWSNumber:     ND3400269

Analyte:     2456

ID:     27705

Type:     02

Cmp Prd B     2004-01-01

Cmp Prd E     2004-12-31

Error:     R52510-f – If Violation Type is equal to 02, and Contaminant Code is equal to 1011 an 2456, Compliance Period End Date shall be exactly 3 months after Compliance Period Begin Date.

Violation 5:

PWSNumber:     ND3400777

Analyte:     2456

ID:     64504

Type:     02

Cmp Prd B     2004-01-01

Cmp Prd E     2004-12-31

Error:     R52510-f – If Violation Type is equal to 02, and Contaminant Code is equal to 1011 an 2456, Compliance Period End

This document is only an informal communciation,
NOT a formal SDC deliverable.

Page 4 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

Date shall be exactly 3 months after Compliance Period Begin Date.

**Respondee(s):**    Terrie Sutch

**Resolution:**    Abe Siegel 4/26/05:  Good afternoon Barrett,

The attached tables are extracted from the reporting documents (Data Entry Instructions with Examples) for Stage 1 and IESWTR.  These tables show that the violation periods to be reported for these violations is quarterly.  I hope you can read WordPerfect files.  If you need the full documents, I do have PDF versions I can email.

(See attached file: stage 1 violations table.wpd)

(See attached file: ieswtr violations table.wpd)

I don't know why SDWIS/Fed has been accepting these violations - it shouldn't be.  Of course, that's no solace to you.  I'll talk with SAIC and see if we can figure out a solution that has the least impact on you.

Gopa Nair 4/26/2005: I sent the SDWIS/FedRep 1.2.1 patch to Barrett.

Terrie Sutch 4/26/2005:  For violation type 27, this issue is corrected in SDWIS/FedRep 1.2.1 as described below.  We will send Barrett the SDWIS/FedRep 1.2.1 patch and research the issue with respect to violation types 02 and 46.

For violation type 27 and analyte codes of 0999, 1006, 1011, and 2920 the SDWIS/FedRep edits require the Compliance Period End Date to be 3 months after the Begin Date.  During the Extraction, SDWIS/FedRep will set the Compliance Period Begin Date to the first day of the calendar quarter (based on the Begin Date of the violation) and the End Date to last day of the quarter.  Since SDWIS/STATE generates monthly violations, this approach results in three violations with the same violation type, analyte, begin date and end date.  The user will package these three violations indicating which of the three violations should be migrated to SDWIS/FED.  SSWr1 has been enhanced to carry both a federal and state begin and end dates for a violation.  For the type 27 violations, SSWr1 will still generate three violations but the federal start and end dates will be the beginning and end of the calendar quarter.  For SDWIS/FedRep 2.0  (compatible with SSWr1), the extraction will retrieve the federal start and end dates from the violation without changing the dates.  In SSWr1, the user will still be required to package the violations.  If the packaging is not done, for both the SDWIS/STATE 8.0 and SSWr1, SDWIS/ODS will detect duplicate violations and report those violations on the data quality report.

| | | | | |
|---|---|---|---|---|
| 4/18/2005 | 11081 | OR | Joe DiCicco | |

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

**Status:**    O

**Time Spent:**    4.00

**SDWIS/STATE Component:**    FedRep

**Problem/Question:**    DTF data don't match SDWIS/FedRep data

I ran the Actions DTF file for fiscal years 2003 to 2005 and got the following numbers:

Eligible Actions
Violation    24,174
Enforcement    3,581

Then I ran SDWIS/FedRep Actions extraction for 10/01/2002 - 09/30/2005 and got the following numbers:

Extracted
Violation    18,579
Enforcement    5,603

What's my next step in reconciling the two tools?

**Respondee(s):**    Gopa Nair

**Resolution:**    Gopa Nair 4/18/2005: I asked Joe to send me the XML and DTF files. Analysis of the XML and DTF files indicated that around 9297 Violations that were extracted into the DTF format were not extracted by SDWIS/FedRep. Joe is using SDWIS/FedRep 1.1. Since the extraction criteria for actions was changed in SDWIS/FedRep 1.2, I asked Joe if he would install SDWIS/FedRep 1.2, and do the comparison again. Joe agreed and will send us the comparison report after he installs SDWIS/FedRep 1.2.

---

| 3/28/2005 | 10936 | UT | Bob Shipman | 1.2 |
|---|---|---|---|---|

**Status:**    O

**Time Spent:**    10.00

**SDWIS/STATE Component:**    FedRep

This document is only an informal communication, NOT a formal SDC deliverable.

Page 6 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

**Problem/Question:** We in Utah were attempting to install SDWIS/FedRep on our middleware server, Syabase's EA Server. We had run into some problems and SAIC-Solutions was working with our contractor. It was recommended that we download SDWIS/FedRep 1.2 and attempt to install it. We have been able to get it running on Tomcat, however, we are having problems with EA Server. The following is the email that I received from our contractor. Could you please follow-up with him on this issue?

OK.
I got SDWIS/FedRep 1.2 running on Tomcat and it generates an XML extract file.

I setup SDWIS/FedRep 1.2 on EAServer and I'm getting an Access Violation Exception. I removed all EAServer security and still get the same error. Also the program won't even write to the Log file in EAServer.

BTW,
I found that their install WAR doesn't include everything for the LogFile.jsp to work on Tomcat or EAServer. This could be related to the problem of it not generating a Log file on EAServer.

Can you get me back in touch with the SAIC guys?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 3/28/2005: We got the Sybase EA server's log file file from Casey. Fazal is looking into the problem.
--------------------------------------------------------------------------------------------
Gopa Nair 03/29/2005: I sent the following email to Casey

Casey,

Please do the following:

1. Apply the fix recommended in http://bugs.sun.com/bugdatabase/view_bug.do;:WuuT?bug_id=4916142.
2. Check the class path. Make sure that it doesn't contain non-existent directories, or blanks.

Let us know if these changes fixed the problem.
--------------------------------------------------------------------------------------------

Fazal 04/15/2005

Casey:

Here are the code sections. The first section creates the new thread to run the background batch process. The second code section is run by the new thread and the red line is where the server crashes.

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 7 of 37

**Date:**     **Event #:**     **Organization:**     **Originator:**     **Release:**

Thanks, Fazal

Creation of threads :

```
// This process will create a background thread for the request o
ExtractionValidationDispatcher evd = new ExtractionValidationDispatcher(valExtStr
evd.sta
```

```
// Create a dispatcher to send back the confirmation page containing the tracking nu
RequestDispatcher dispatcher = getServletContext().getRequestDispatcher("/jsp/confirmation.j
if (dispatcher !=
 dispatcher.forward(request, resp
```

Code that crashes the server (This code section is run by the user created thread) :

```
 public String getEnvironmentVariable(

  String FEDREP_HOME = nu



    InitialContext initCtx = new InitialConte
       FEDREP_HOME = (String)initCtx.lookup("java:comp/env/FEDREP_HOME");

  } catch(Exception

    FEDREP_HOME = this.getEnvironmentVariableInControlPan


  return(FEDREP_HOME
```

Casey 04/15/2005 - Will contact Sybase User Support to ask about this issue

**Time spent on above events (in hours):**     **15**

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|
| 4/12/2005 | 11029 | AK | Maria Ridgway | |

**Status:** C

**Time Spent:** 1.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I installed SDWIS/FedRep 1.2 and tried to do extract inventory data. All of my PWSs were rejected (attached are the first two object error reports.) I followed the instruction on SDWIS/FedRep 1.2 installation and user guides when I upgraded to this version. Did I miss something on the installation?

Here's a copy of my System.TXT file:

```
LastInventorySubmissionPreparationDate  null
PrimaryFedRepContactEmail       Maria_Ridgway@dec.state.ak.us
ValidationEmails        null
SubmissionPreparationEmails     null
SubmissionPreparationName       null
SubmissionPreparationPhone      null
SubmissionPreparationOrganization       null
Database        SQLServer
DatabaseDriverClassName sun.jdbc.odbc.JdbcOdbcDriver
DatabaseConnectionURL   jdbc:odbc:SDWIS
UserID  mridgway
Password        8joclay8
NextAvailableJobNumber  4
OriginCode      S
OriginName      AK
EmailServer     webmail.dec.state.ak.us
EmailUserId     null
EmailPassword   null
FedRepServerAddress     146.63.192.127
FedRepServerPort        8080
InventorySchemaName     SDWA_DataFlowInventory_v3.0.xsd
ActionsSchemaName       SDWA_DataFlowActions_v3.0.xsd
SamplesSchemaName       SDWA_DataFlowSamples_v3.0.xsd
FedRepEmailAccount      Maria_Ridgway@dec.state.ak.us
ErrorReportSizeIncrements       5
```

This document is only an informal communciation,
NOT a formal SDC deliverable.

Page 9 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

NamespacePrefix sdwis:
XMLInstanceNamespace    xmlns:sdwis="http://www.epa.gov/xml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
WaterSystemDomain      B
BypassReferentialIntegrity      no
TurnOffFedRepEmails    no
FedRepVersion  1.2
XMLWriterVersion        null
XMLSchemaVersion        3.0
URLMapping      FedRep
EditMode        Replace
EmailServerPort 25

**Respondee(s):**  Gopa Nair

**Resolution:**  Gopa Nair 4/12/2005:  The schemautility.bat process was run before setting the systemproperty file entries.  Maria ran the schemautility.bat after setting the values in the System Property file, which corrected the problem.

---

| 4/13/2005 | 11052 | AK | Maria Ridgway | |
|---|---|---|---|---|

**Status:**  C

**Time Spent:**  1.00

**SDWIS/STATE Component:**  FedRep

**Problem/Question:**  I'm getting this error message in SDWIS/FedRep:

If Country Code is equal to "US," the Postal Code must be exactly five numeric characters or exactly nine numeric characters in length

This is the value I am submitting and being rejected:
99577 0121

Looking at the schema, it is defined as:

```
<xsd:simpleType name="MailingAddressZIPCodeType">
        <xsd:restriction base="xsd:string">
            <xsd:minLength value="1" />
            <xsd:maxLength value="14" />
        </xsd:restriction>
    </xsd:simpleType>
```

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

Looking in my XML(inventory) file for submission, this value was accepted :
<sdwis:MailingAddressZIPCode>99511-1815</sdwis:MailingAddressZIPCode>

Question:

Should Zip Codes that are exactly nine numeric character, be separated with dashes (99999-9999)?

Thanks.

**Respondee(s):**  Terrie Sutch

**Resolution:**  Terrie Sutch 4/13.2005:  The two parts of the Zip Code must be separated by a character.  The character may be anything you would like, but a dash is usually used.  We will promote this event for clarification in the next release of the documentation.

---

| 4/1/2005 | 10969 | AL | Julie Browning | |
|---|---|---|---|---|

**Status:**  C

**Time Spent:**  4.00

**SDWIS/STATE Component:**  FedRep

**Problem/Question:**  I am attempting to start the Tomcat server with the startup.bat file that I downloaded yesterday.  It appears that I have downloaded version 5.0.28.  I get an error message that says "cannot find the file '-Xms128m' (or one of its components). Make sure the path and filename are correct and that all required libraries are available".

**Respondee(s):**  Gopa Nair

**Resolution:**  Gopa Nair 4/1/05:  Most likely, you installed Tomcat as a windows service. If you did that, you won't be able to start Tomcat by clicking on the batch file. Instead, you will have to use the windows control panel to start and stop Tomcat.

Here is how you can find out whether Tomcat is installed as a service: go to Start-->Settings-->control panel-->administrative tools-->services. If you see a service with the name "Apache Tomcat', you have installed Tomcat as a service. You can start/stop Tomcat by starting/stopping the Tomcat service.

If Tomcat is not installed as a service, or if it is installed as a service and you were able to start the service, please inform us.

----------------------------------------------------------------------------------------------------

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 11 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|

Gopa Nair 4/11/2005: Julie is using Oracle 8i. So, I sent her the SDWIS/FedRep 1.2 patch for Oracle8i. Then, she had trouble connecting to the email server. After She put an email account and its password in the systemproperty file, the functionality worked correctly. Julie informed us on 4/11/2005 that SDWIS/FedRep 1.2 is working without any problem.

| 4/8/2005 | 11013 | AL | Benny Laughlin | |
|----------|-------|-----|----------------|--|

**Status:** C

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I am having a big problem with SDWIS/FedRep 1.2. I have submitted a run and no records are being accepted. Except for the first record, all of their records are getting the same schema error message having to do with the PWSIdentifier (PWSID #). I am attaching the error messages and the inventory summary so you can see what I am getting. Thanks in advance for your help.

**Respondee(s):** Fazal Mohammed

**Resolution:** Fazal 4/8/05: Left a voicemail to call back. Also, stated that the problem seems to be not having run the SchemaUtility.bat during the installation process. The SchemaUtility.bat process identifies the physical location of the XML schemas at the site. I asked Benny to call back if this did not fix the problem.

| 4/13/2005 | 11046 | AL | Benny Laughlin | |
|-----------|-------|-----|----------------|--|

**Status:** C

**Time Spent:** 1.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I am getting the following error message for our two wholesaler systems. Could you look at it and tell me what I need to fix? Thanks in advance.

4. Service Area Details

PWS Identifier : AL0000927
Primary Service Area Code : WH
Service Area Code :
Errors Schema : Error: cvc-enumeration-valid: Value 'WH' is not facet-valid with respect to enumeration '[DC, DI, HA, HM, HR, IA,

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 12 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

IC, IN, MF, MH, MP, MU, OA, ON, OR, OT, PA, RA, RE, RS, SC, SI, SK, SR, SS, SU, WB]'. It must be a value from the enumeration. Schema : Error: cvc-complex-type.2.2: Element 'sdwis:SDWAServiceAreaCode' must have no element [children], and the value must be valid.

PWS Identifier :  AL0001780
Primary Service Area Code :  WH
Service Area Code :
 Errors Schema :  Error: cvc-enumeration-valid: Value 'WH' is not facet-valid with respect to enumeration '[DC, DI, HA, HM, HR, IA, IC, IN, MF, MH, MP, MU, OA, ON, OR, OT, PA, RA, RE, RS, SC, SI, SK, SR, SS, SU, WB]'. It must be a value from the enumeration. Schema :  Error: cvc-complex-type.2.2: Element 'sdwis:SDWAServiceAreaCode' must have no element [children], and the value must be valid.

**Respondee(s):**     Terrie Sutch

**Resolution:**     Terrie Sutch 4/13/2005:  In SDWIS/FedRep 1.2, the permitted value of "WH" for service area code was removed.  An element in the water system is used to indicate that the water system is a Wholesaler.  EPA felt that it was not necessary to submit the information in two places.

Since then, EPA has decided to include "WH" as a permitted value for service area.  This change is included in an interim release of SDWIS/FedRep 1.2.1, which will be delivered to EPA within the next week.  Please see the text below for the description and resolution of the original event logged with the SDWIS hotline regarding this issue.

Event #10923
Description: Service Area Details:
Errors Schema :  Error: cvc-enumeration-valid: Value 'WH' is not facet-valid with respect to enumeration '[DC, DI, HA, HM, HR, IA, IC, IN, MF, MH, MP, MU, OA, ON, OR, OT, PA, RA, RE, RS, SC, SI, SK, SR, SS, SU, WB]'. It must be a value from the enumeration.

Schema :  Error: cvc-complex-type.2.2: Element 'sdwis:SDWAServiceAreaCode' must have no element [children], and the value must be valid.

I remember something being discussed about this error. We have several Primary Service Areas that are Wholesale and coded as 'WH'. This is a valid code in SDWIS/STATE.  Are we to ignore these errors or how am I to handle these errors?

Resolution:  Christine Tivel 3/25/05:  We are aware of this issue with Service Area type value 'WH'.  We are currently revisiting the original requirement and discussing several options with EPA. For now, I would ignore these errors.  We expect that there will be an interim release of SDWIS/FedRep in late spring implementing a resolution.

Terrie Sutch 4/8/2005:  SDWIS/FedRep extraction will be changed to set the wholesaler flag in the water system based on finding a Service Area set to "WH."  Additionally, the "WH" setting will be included as a valid permitted value for Service Area.  A formal interim release (i.e., SDWIS/FedRep 1.2.1) will be developed and delivered to EPA within the next couple weeks.

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|
| 3/29/2005 | 10942 | DE | Anita Beckel | |

**Status:**  C

**Time Spent:**  2.50

**SDWIS/STATE Component:**  FedRep

**Problem/Question:**  I am just about ready to send my CDX test.  I still have six pages of errors in my inventory.  I have gotten it as good as I can get it, unless someone has some suggestions.

Under water system details for Candy Kitchen PWSID # DE0000976 a system deactivated in 2003, the date coming up on the SDWIS/FedRep Object error report; PWS Deactivation date says 2005-01-31.  Yet when I look in my data base it says 01/01/2003.  We changed the population in the data base because we were getting the error.

R50100  If the water system is a non-wholesaler and the Retail Service Connections is less than 15, the Retail Population Served should be greater than or equal to 25.

It was less than 25.  I thought it would not matter if we changed it to 25, since the system is inactive anyway.  Now I am stuck with a 2005 date in SDWIS/FedRep  I can not see or fix it in SDWIS/STATE.

Under facility details, I am having difficulty getting my purchases to stay connected.  This might be something we are not doing right.  I link up the purchases but when I go back in I can not see that it was done.  Buyers and sellers are both coming up with errors for consecutive connections.

For some well names I had put # in them.  We had to go back and remove the #.  For a small number of them, I still get the error '{"http://www.epa.gov/xml":Facility name text is expected}'  I do not see anything wrong with them anymore.  DE0000505, DE0000483, DE00A0738, DE00A0733.

Lastly, on locational details DE00A0683, I have a date of 0001-01-01in the data collection field.  When I look at it through SDWIS/State the field is blank.

**Respondee(s):**  Gopa Nair

**Resolution:**  Gopa Nair 03/29/2005: I have repeated your questions in the text below and recorded the answers below the questions themselves.

QUESTION 1: I am just about ready to send my CDX test.  I still have six pages of errors in my inventory.  I have gotten it as good as I can get it, unless someone has some suggestions.

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 14 of 37

**Date:**      **Event #:**      **Organization:**      **Originator:**           **Release:**

Under water system details for Candy Kitchen PWSID # DE0000976 a system deactivated in 2003, the date coming up on the SDWIS/FedRep Object error report; PWS Deactivation date says 2005-01-31. Yet when I look in my database it says 01/01/2003. We changed the population in the database because we were getting the error

ANSWER 1: Make sure that you are looking at the Activity Date on the Water System Maintenance Window, or the ACTIVITY_DATE on the TINWSYS table.

QUESTION 2: R50100 states, If the water system is a non-wholesaler and the Retail Service Connections is less than 15, the Retail Population Served should be greater than or equal to 25.

The water system was less than 25. I thought it would not matter if we changed it to 25, since the system is inactive anyway. Now I am stuck with a 2005 date in SDWIS/Fed Rep. I cannot see or fix it in SDWIS/STATE.

ANSWER 2: Please ignore this error. This problem has been fixed in SDWIS/FedRep 1.2. You will not get this error message for inactive water systems from SDWIS/FedRep 1.2.

QUESTION 3: Under facility details, I am having difficulty getting my purchases to stay connected. This might be something we are not doing right. I link the purchases but when I go back in I cannot see that it was done. Buyers and sellers are both coming up with errors for consecutive connections.

ANSWER 3: Please ignore this error also. In SDWIS/FedRep 1.2, the mechanism for finding the seller PWS has been changed based on how states are recording their facility flows. If you receive this error from SDWIS/FedRep 1.2, please call us; we can then look into whether there is an issue with the way you have set up the buyer-seller connection.

QUESTION 4: For some well names I had put # in them. We had to go back and remove the #. For a small number of them, I still get the error '{"http://www/epa.gov/xml":Facility name text is expected}' I do not see anything wrong with them anymore. DE0000505, DE0000483, DE00A0738, DE00A0733.

ANSWER 4: Water System Facility name is a required field. Please make sure that all the water system facilities have names.

QUESTION 5: Lastly, on Locational details DE00A0683, I have a date of 0001-01-01 in the data collection field. When I look at it through SDWIS/State the field is blank.

ANSWER 5: 0001-01-01 may have come from the data you migrated from SDWIS/FED. Please check the column LAT_LONG_DETERMIN_DT in the TINLOC table for the lat/long records that have 0001-01-01 as the data collection date in the XML file. If the LAT_LONG_DETERMIN_DT is not null for those records, please set them to null. Another way to fix the problem is to enter an actual date for the collection date field the window, save the record, blank out the date, and then save again

This document is only an informal communication, NOT a formal SDC deliverable.

Page 15 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|
| 3/24/2005 | 10921 | IL | Sandy Frank | 1.2 |

**Status:** C

**Time Spent:** 1.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I added a State only Objective called Optimize Fluoride and gave it a code of "H". Then when I link the Treatment Process of Fluoridation to this new Objective H-Optimize Fluoride, SDWIS/FedRep says it is not valid. So I tried to link Fluoridation to two objectives, one which makes sense (Optimize Fluoride) and another one that SDWIS/FedRep allows (Other) and made the one they allowed (Other) as Primary but the error still appears. I thought maybe if I make the Other-Z primary it would allow me to keep the Fluoridation linked to Optimize Fluoride as an objective and SDWIS/FedRep would just ignore it since I had a primary one that was allowed. It only allows the following Obj Codes for FLUORIDATION and none of these really fit:

B - Distinfection By-Products Contr
C- Corrosion Control
D - Disinfection
E - Dechlorination
F - Iron Removal
I - Inorganics Removal
M - Manganese Removal
O - Organics Removal
P - Particulate Removal
R - Radionuclides Removal
S - Softening (Hardness Removal)
T - Taste / Odor Control
Z - Other

Are there any other suggestions on how we can show this in our SDWIS/STATE and not get a schema error in SDWIS/FedRep?

Just wondering in Illinois.

**Respondee(s):** Christine Tivel/Dianna Heaberlin

**Resolution:** Christine Tivel 3/25/05: Treatment objectives currently cannot be state-defined and have a fixed-permitted value list in both SDWIS/STATE and SDWIS/FedRep. (Treatment Processes, however, can be state-defined in SDWIS/STATE). As part of Extraction, SDWIS/FedRep will extract these state-owned treatment processes with the process code of '999' (Innovative treatment) and will set the Treatment Comment to the name you have specified for this process in SDWIS/STATE.

**Date:**      **Event #:**      **Organization:**      **Originator:**      **Release:**

I am not sure how you were able to create this state-owned treatment objective of 'H'.  Currently, there is no capability in SDWIS/STATE (or MTS) to create a new state-defined objective.  If added directly to the TINTROBJ table, during SDWIS/FedRep Extraction, the object would be rejected based on a schema permitted value error (as the permitted values are fixed).

While SDWIS/STATE allows you to designate a treatment as primary, there is no current requirement in SDWIS/FedRep to use this primary indicator code as part of extraction.  All Objective/Process pairings assigned to a qualifying Treatment Plant are extracted.

Based on those objectives that are permissible, our recommendation would be to use the currently defined treatment objective codes.  To prevent SDWIS/FedRep schema errors, you should remove the invalid objective code 'H' in your database and use the valid 'Z' (Other) objective code for any process pairing instead.

Any changes to the current scope of treatment objective codes would involve a requirement change that needs to be discussed with EPA.  Are you suggesting that the following requirement changes be proposed to EPA:

1) Expand the current-set of allowable treatment objective codes.  (Or allow states to create their own state-defined permitted value).
2) For the Treatment object, change the FedRep Extraction to only extract the primary treatment objective process pairing (when one is designated as primary).

Dianna Heaberlin 3/28/05:  FYI Sandy and I discussed changing the name.  She noted they already had three other objectives added to the table.  She tried to change the code on all three to "Z" and it would not let her.

I asked Sandy to request Roger Selburg, the drinking water administrator, to send an e-mail to Abe asking for the ability to add state-defined objectives to ODS.

With that in mind we should add the following as a potential SSWr2 requirement

Issue
Primacy agencies have the requirement to track treatment objectives at a more refined level than required for SDWIS/ODS reporting.
Possible Resolution
Add a system administrator function similar to the one for enforcement actions where a primacy agency may add treatment objectives and note that those objectives are reported to SDWIS/ODS using one of the federally defined objectives.  However, since all treatment process must be associated to an objective for reporting to SDWIS/ODS, unlike enforcement actions, users must relate a state-defined objective to a federally defined objective.

Julie Bruns 3/28/05:  Please ask Sandy to forward her new requirement(s) for SDWIS/STATE 2.0 to Ed, Clint and Roger (and Abe if any affect SDWIS/FedRep).

Terrie Sutch 4/11/01:  Event #11019 was created as a potential requirement for SDWIS/STATE 2.0.  The event requests the ability

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 17 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|
| | | for SDWIS/STATE to support state-defined treatment objectives | | |

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|
| 3/25/2005 | 10923 | IL | Sandy Frank | 1.2 |

**Status:** C

**Time Spent:** 1.25

**SDWIS/STATE Component:** FedRep

**Problem/Question:** 4. Service Area Details:

Errors Schema :  Error: cvc-enumeration-valid: Value 'WH' is not facet-valid with respect to enumeration '[DC, DI, HA, HM, HR, IA, IC, IN, MF, MH, MP, MU, OA, ON, OR, OT, PA, RA, RE, RS, SC, SI, SK, SR, SS, SU, WB]'. It must be a value from the enumeration.

Schema :  Error: cvc-complex-type.2.2: Element 'sdwis:SDWAServiceAreaCode' must have no element [children], and the value must be valid.

I sort of remember something being discussed about this error.  We have several Primary Service Areas that are Wholesale and coded as 'WH'. This is a valid code in SDWIS/STATE.

Are we to ignore these errors or how am I to handle these errors?

**Respondee(s):** Christine Tivel

**Resolution:** Christine Tivel 3/25/05:  We are aware of this issue with Service Area type value 'WH'.  We are currently evaluating the original requirement and discussing several options with EPA.

For now, I would ignore these errors.  We expect that there will be an interim release of SDWIS/FedRep in the next several weeks which will implement a resolution to this issue.

Terrie Sutch 4/8/2005:  SDWIS/FedRep extraction will be changed to set the wholesaler flag in the water system based on finding a Service Area set to "WH."  Additionally, the "WH" setting will be included as a valid Service Area code.  A formal interim release (i.e., SDWIS/FedRep 1.2.1) will be developed and delivered to EPA within the next few weeks.

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|
| 4/7/2005 | 11006 | KS | Darrell Plummer | 1.2 |

**Status:** C

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

**Time Spent:** 1.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I'm having problems configuring SDWIS/FedRep 1.2

I'm not getting the "Submission Preparation" page to appear correctly. It originally appeared correctly but after I tried to submit an incomplete form it now appears as shown in the attachment screen capture. I've also attached a copy of the "systemproperty.txt" file.

Can I get the "Submission Preparation" page to appear correctly - without reinstalling SDWIS/FedRep?  Also, are there any changes that need to be made to the "systemproperty" file?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/7/2005:  In the system property file, please put null or a correctly-formatted phone number as the value for the SubmissionPreparationPhone token, and re-start Tomcat. That should fix the problem.
-------------------------------------------------------------------------------------------------------------

Darrel Plummer 4/8/2005:  That fixed it.  Thanks.

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|
| 4/2/2005 | 10972 | MN | Fuliao Li | 1.2 |

**Status:** C

**Time Spent:** 2.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** We ran some tests on Actions.xml we created, and got some errors we don't know how to explain. A zipped file of html reports is attached.

We ran the validation of actions.xml several times and failed to get it through without errors. Attached is an error report from the validation process. We're not quite sure why it failed. Is it because the same violation ID is linked to different enforcement?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/4/2005:  Your XML file doesn't match the XML schema.  Please see the attached XML document as an example.  I corrected one of your enforcements and attached it as an example.

Fuliao Li 4/5/2005:  Thanks for your help.  However, according to the XML schema there are two ways to set Element:

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 19 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|

AssociatedViolationIdentifier. So my question is in what situation should multiple EnforcementAssignmentDetails be used?

Gopa Nair 4/7/2005: You are right, EnforcementAssignmentDetails can be repeated. The problem with your original file was that EnforcementAssignments was repeated.  Violations may be linked to enforcements using a list of Violation IDs, which are submitted using the element AssociatedViolationIdentifier.  Violations may also be linked to enforcements by specifying criteria about the violations.  The criteria are submitted in the element AssociatedViolationCriteriaDetails.  To submit criteria about violations as well as a list of Violations IDs, you must submit multiple EnforcementAssignmentDetails.

Fuliao Li 4/11/2005:  No problem.  Thanks for your help

| 4/13/2005 | 11051 | MN | Fuliao Li | 1.2 |
|-----------|-------|-----|-----------|-----|

**Status:** C

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I generated inventory.xml file with the following integrity errors which I don't understand.  There is no extractionBeginDate input place on your web page for non-SDWIS states. How can I go around it without manually editing data?  I failed to find duplicate values in the database. Where should I look to find out the duplicate listed, the only one among more than 7000?

The errors are as follows:

Error: Duplicate unique value [MN5190072,1] declared for identity constraint of element "InventoryDataFlow".

Error: cvc-complex-type.2.4.a: Invalid content was found starting with element 'sdwis:ExtractionBeginDate'. One of '{"http://www.epa.gov/xml":OriginatorIdentifier}' is expected.

Error: cvc-datatype-valid.1.2.1: '' is not a valid value for 'dateTime'.

Error: cvc-type.3.1.3: The value '' of element 'sdwis:ExtractionBeginDate' is not valid.

**Respondee(s):** Fazal Mohammed

**Resolution:** Fazal 4/14/2005:  This error may be ignored.  This event will be promoted to an SIR, for correction in the next release. The ExtractionBeginDate in the MessageNotification Schema should be optional, so that the RI Report does not generate an error. The Inventory Subject Area does not require the ExtractionBeginDate element.

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|
| 3/28/2005 | 10937 | MO | Jincy Jacobson | 1.2 |

**Status:** C

**Time Spent:** 2.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I am working on the installation of SDWIS/FedRep to our web application server. The instructions are for Tomcat and we use WebSphere. Do you have a war file for WebSphere?

I also receive the error below when starting the application:

[3/30/05 13:55:11:302 CST] 3011c415 ComponentName W CNTR0010W: NumberFormatException occurred while converting <env-entry-name> FEDREP_HOME <env-entry-value> <null>: java.lang.NullPointerException: EJB 2.0 - 20.2.3
        at com.ibm.ws.util.ComponentNameSpaceHelper.populateJavaNameSpace(ComponentNameSpaceHelper.java:421)
        at com.ibm.ws.util.ComponentNameSpaceHelper.populateJavaNameSpace(ComponentNameSpaceHelper.java:332)
        at com.ibm.ws.webcontainer.webapp.WebApp.populateJavaNameSpace(WebApp.java:1206)
        at com.ibm.ws.webcontainer.webapp.WebApp.init(WebApp.java:249)
        at com.ibm.ws.webcontainer.srt.WebGroup.loadWebApp(WebGroup.java:403)
        at com.ibm.ws.webcontainer.srt.WebGroup.init(WebGroup.java:212)
        at com.ibm.ws.webcontainer.WebContainer.addWebApplication(WebContainer.java:1025)
        at com.ibm.ws.runtime.component.WebContainerImpl.install(WebContainerImpl.java:136)
        at com.ibm.ws.runtime.component.WebContainerImpl.start(WebContainerImpl.java:356)
        at com.ibm.ws.runtime.component.ApplicationMgrImpl.start(ApplicationMgrImpl.java:507)
        at com.ibm.ws.runtime.component.DeployedApplicationImpl.fireDeployedObjectStart(DeployedApplicationImpl.java:808)

        at com.ibm.ws.runtime.component.DeployedModuleImpl.start(DeployedModuleImpl.java:354)
        at com.ibm.ws.runtime.component.DeployedApplicationImpl.start(DeployedApplicationImpl.java:578)
        at com.ibm.ws.runtime.component.ApplicationMgrImpl.startApplication(ApplicationMgrImpl.java:301)
        at com.ibm.ws.runtime.component.ApplicationMgrImpl.start(ApplicationMgrImpl.java:258)
        at com.ibm.ws.runtime.component.ContainerImpl.startComponents(ContainerImpl.java:536)
        at com.ibm.ws.runtime.component.ContainerImpl.start(ContainerImpl.java:413)
        at com.ibm.ws.runtime.component.ApplicationServerImpl.start(ApplicationServerImpl.java:152)
        at com.ibm.ws.runtime.component.ContainerImpl.startComponents(ContainerImpl.java:536)

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 21 of 37

**Date:**　　　　**Event #:**　　　　**Organization:**　　　**Originator:**　　　　　　**Release:**

at com.ibm.ws.runtime.component.ContainerImpl.start(ContainerImpl.java:413)
at com.ibm.ws.runtime.component.ServerImpl.start(ServerImpl.java:243)
at com.ibm.ws.runtime.WsServer.start(WsServer.java:128)
at com.ibm.ws.runtime.WsServer.main(WsServer.java:225)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:85)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:58)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:60)
at java.lang.reflect.Method.invoke(Method.java:391)
　　at com.ibm.ws.bootstrap.WSLauncher.main(WSLauncher.java:189)

**Respondee(s):**　　Gopa Nair

**Resolution:**　　Gopa Nair 3/28/2005: WebSphere is not installing the FedRep.war file. I asked Jincy to send us a screen shot of the error that she is getting for us to find out what needs to be done for SDWIS/FedRep to work with WebSphere.

--------------------------------------------------------------------------------------------------------

Gopa Nair 3/28/2005: Please open the FedRep.war using WinZip, edit the web.xml fie, and remove the line:

<env-entry-value>C:\jakarta-tomcat-5.0.28\webapps\FedRep</env-entry-value>

Save the changes, and install the changed FedRep.war file. Please let us know if you receive any other error.

--------------------------------------------------------------------------------------------------------

Jincy Jacobson 03/30/2005:  Changing the web.xml file did allow me to deploy the war file.

--------------------------------------------------------------------------------------------------------

Gopa Nair 4/2/2005: Jincy has an issue with connecting WebSpere with LDAP server. It is not a SDWIS/FedRep issue. She will try to resove that issue by herself.

| 3/31/2005 | 10950 | NC | Eric Chai | |
|---|---|---|---|---|

**Status:**　　C

**Time Spent:**　　2.00

**SDWIS/STATE Component:**　　FedRep

This document is only an informal communciation,
NOT a formal SDC deliverable.

Page 22 of 37

| **Date:** | **Event #:** | **Organization:** | **Originator:** | **Release:** |
| --- | --- | --- | --- | --- |

**Problem/Question:** Martha and I are working together to generate xml documents and we would like to submit xml documents through EPA CDX as soon as possible. It would be very helpful if you can provide us examples of xml documents (schema 3.0) for inventory, samples and actions.

**Respondee(s):** Gopa Nair

**Resolution:** Terrie Sutch 4/4/05: The attached zip file contains the XML files you requested.

Eric Chai 4/6/05: One of the major changes between SDWIS/xml schema 2.x and SDWIS/xml schema 3.0 is type for date attribute in each business object. For example: type for compliancePeriodBeginDate in violation object has been changed from xsd:date to sdwis:SDWADateType. Type for compliancePeriodBeginDate (and other date attribute) is still xsd:date when I unzipped the zip file and look validated_actioins.xml file. I am not sure that these three xml files are sdiws/xml schema 3.0 xml documents or they are sdiw/xml schema 2.x document. Please clarify if these three xml files are sdwis/xml schema 3.0 document? If the answer is yes, Could you please explain why I did not see these changes on xml documents?

Terrie Sutch: The sdwis:SDWADate type was introduced to ensure all dates in the SDWIS/XML files are between 1901-01-01 and 2100-01-01. This change of data type from xsd:date to sdwis:SDWADateType doesn't result in any change in the format of the XML file; it only affects the validation of the XML document.

The XML files you received earlier are in the SDWIS/XML Schema 3.0 format. Hope this clarifies the confusion.

Eric Chai 4/12/05: Thanks.

| 4/25/2005 | 11110 | ND | Barrett Brown | 1.2 |
| --- | --- | --- | --- | --- |

**Status:** C

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** Below is an example of an error message that I am getting in SDWIS/FedRep for Actions (this message is for a milestone), I noticed that the End Date in the table is showing "1/1/1901", it that why I am getting this error? If so, should I change that date to a true Null? The online system does not show a date, so I am thinking this is a carryover from when SDWIS used 1/1/1901 for a null date.

Schedule Activity Identifier :

PWS Identifier :
 ND0100812

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 23 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|

Activity Code :
 DONE

Achieve Date :

Due Date :

Reason Code :
 B1

Comment :
 MIGRATED

 Errors

Schema :
 Error: cvc-minInclusive-valid: Value '0001-01-01' is not facet-valid with respect to minInclusive '1901-01-01' for type 'SDWADateType'.

Schema :
 Error: cvc-type.3.1.3: The value '0001-01-01' of element 'sdwis:EventActivityEndDate' is not valid.

| **Respondee(s):** | Gopa Nair |
|-------------------|-----------|

**Resolution:** Gopa Nair 4/25/2005:  You are absolutely right about the diagnosis and the resolution. 1/1/1901 might have come from SDWIS/FED, which still uses 1/1/1901 as the default date. SDWIS/STATE might also have used 1/1/1901 as the default date in the past.

---

| 4/26/2005 | 11118 | ND | Barrett Brown |
|-----------|-------|----|----|

| **Status:** | C |
|-------------|---|

| **Time Spent:** | 0.25 |
|-----------------|------|

| **SDWIS/STATE Component:** | FedRep |
|----------------------------|--------|

**Problem/Question:** The error message for R52510-f state Contaminant Code is equal to 1011 an 2456,  I believe the "an" should read "and".

**Respondee(s):** Terrie Sutch

**Resolution:** 4/26/2005 Terrie Sutch:  The error message text will be corrected in the next release.  This event has been promoted to a SIR event.

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 24 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|

| 4/19/2005 | 11100 | NM | Eric Herrera | |
|-----------|-------|----|----|--|

**Status:** C

**Time Spent:** 0.25

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I am installing and configuring the SDWIS/FedRep module. I was told we need to download a patch for the SDWIS/FedRep installation. We are using Oracle 8.0.17. Can you please let me know if I indeed need the patch and where to download it from?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/19/2005: The patch is not available on the SDWIS web site yet. So, I have attached it to this email. Please let me know if you have any trouble receiving the attached zip file.

| 4/26/2005 | 11115 | NM | Eric Herrera | |
|-----------|-------|----|----|--|

**Status:** C

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I'm on step 2.1.7 of the SDWIS/FedRep installation instructions - setting location of XML schemas. On this step I have to run the schema_utility.bat process to update the XML schemas. When I run it, it says "The system cannot find the path specified." I noticed the default path in the instructions for Tomcat is C:\jakarta-tomcat-5.0.28, but my default path is c:\tomcat5_0 and my default path for java is c:\j2sdk1.4_08. I've attached a txt version of the batch file to see if you can find where to edit it.

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/26/2005: Eric edited the schema utility batch file and replace %JAVA_HOME% with the folder into which JDK is installed, and ran the schemautility.bat again. That fixed the problem. For some reason, JAVA_HOME variable's value was not accessible to the batch file.

| 4/4/2005 | 10976 | NY | Tom Becker | 1.2 |
|----------|-------|----|----|-----|

**Status:** C

This document is only an informal communciation,
NOT a formal SDC deliverable.

Page 25 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

**Time Spent:** 0.75

**SDWIS/STATE Component:** FedRep

**Problem/Question:** We are running through the "SDWIS Modernization Acceptance Test Plans".  I received the attached SDWIS/FedRep Summary Report and wondered, "Why are there no violations listed in the summary?"

Is this correct?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/5/05:  The patch has not yet been released. Here it is:

Please copy the attached "SelectViolation.class" to [FEDREP_HOME]/WEB-INF/classes/com/sdwis/FedRep/Extraction/Actions (FEDREP_HOME, refers to the folder path where the SDWIS/FedRep 1.2 software is installed).

Make sure to re-start Tomcat for the patch to go into effect.

Tom Becker 4/12/05:  Your fix solved the problem for User Event 10976.  I guess that would mean we can close it out.

---

| 4/26/2005 | 11121 | OR | Joe DiCicco | |
|---|---|---|---|---|

**Status:** C

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I was told that FedRep 1.2 has a patch available.  Is that true?  Where can I get it?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/26/2005:  SDWIS/FedRep 1.2.1 patch is not available on the SDWIS web site yet. I have attached it to this email. Please let me know if you have any trouble receiving the attached zip file.

---

| 4/19/2005 | 11096 | PA | Rama Kapu | 1.2 |
|---|---|---|---|---|

**Status:** C

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

**Time Spent:** 2.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I am getting R99999 and R99998 (Water System Facility may be Inactive, Not Submitted or Rejected during validation) errors for Legal Entity Affiliation, Service Area, Geographic Area, Location and Treatment data. SDWIS/FedRep 1.2 extracted total 18113 systems (both active and inactive) from xml file. Is Legal Entity Affiliation, Service Area, Geographic Area, Location, and Treatment data accepted only for Active public water systems? Completeness report also not generated correctly, it contains only 22 systems under water system dependencies.

As I requested by Gopa, I am sending the HTML reports for review.

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/20/2005: For inactive water systems, SDWIS/FedRep accepts only inactive WaterSystemFaclities, and nothing else. So, you can ignore the error or fix the XML creation process to only extract inactive water system facilities for inactive Water Systems.

-----------------------------------------------------------------------------------------------------

Gopa Nair 4/20/2005: Ram called to inform me that he will change the XML creation program to extract only inactive water system facilities for inactive water systems.

---

3/31/2005    10952    R3    Hector Garena

**Status:** C

**Time Spent:** 1.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I successfully completed the XMLWriter installation this morning. However, when I ran the XMLWriter and I clicked the "Load data into XMLWriter Database" option, I got an HTTP Status 500 error. You can see a complete description of the error from the image file I attached. (See attached file: HTTP Status 500.gif)

In my workstation, I have Jakarta-Tomcat-5.0.27 and the j2sdk1.4.2_05 installed. Also, I have SDWIS/FedRep installed. I tested SDWIS/FedRep before and I never had any problems. The address I used for accessing the XMLWriter is http://localhost:8080/XMLWriter/XMLWriter_JSP/.

I'm attaching the configuration files in case you need them for troubleshooting purposes.

This document is only an informal communciation, NOT a formal SDC deliverable.

Page 27 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

(See attached file: tomcat-users.xml)
(See attached file: SystemProperty.txt)

System Environmental variables screens
(See attached file: xmlwriter_home_sysenvirovar.gif)(See attached file: SysEnviroVar1.gif)

Also, the ODSDataExtract-2005-Mar-16-MD-DE.zip file was copied/pasted into my hard drive.  The Read Only property was disable on this file.

**Respondee(s):**     Gopa Nair

**Resolution:**     Gopa Nair 3/31/2005: Hector had not setup the ODBC data source required for XMLWriter. XMLWriter started working after he setup the ODBC source.

---

| 4/12/2005 | 11032 | R9 | Mark Rathbun | 1.2 |
|---|---|---|---|---|

**Status:**     C

**Time Spent:**     0.75

**SDWIS/STATE Component:**     FedRep

**Problem/Question:**     Appendix D of the Filter Backwash Guidance describes backwash violations of 39 & 40 in combination with contaminant code of 0500.  This is described at:

http://www.epa.gov/safewater/mdbp/guide_fbrr_ig_appdx_fnl_06-16-04.pdf

But the SDWIS/FedRep Requirements document doesn't mention either the contaminant code of 0500 or the violation types of 39 or 40.  The recent version of SDWIS/STATE does not support these new violations types.  My guess is that Filter Backwash Guidance is correct, and that the SDWIS/FedRep documents and SDWIS/STATE will be catching up with that guidance soon.  Is that a good interpretation?

**Respondee(s):**     Dianna Heaberlin

**Resolution:**     Dianna Heaberlin 4/12/05:  The first version of the SDWIS/FedRep Requirements document did not list the violation types although they were included in the extract and validation.  The requirements were based on "replacement" of SDWIS/FED reporting requirements.  As development proceeded for both SDWIS/FedRep and SDWIS/ODS, they both included the violation types and contaminant code validation.  The new SDWIS/FedRep 1.2 Requirements document at the web site below lists the violation types and required contaminant/analyte code of 0500.

http://www.epa.gov/safewater/sdwisfed/modernization/modfiles_1-2/fed_rep_requirements_r1-2.doc

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 28 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

Originally SDWIS/STATE 8.0 had violation types 48 and 49 for the FBRR. SDWIS/STATE 8.03, issued October 25, 2002, updated both the violation types (TMNVTYPE) table and the violation type/analyte association (TMNVTAA) table to meet the draft reporting requirements.

Additionally SDWIS/STATE 8.0 contains data elements on the Treatment Plant/Microbial Removal window to assist primacy agencies in tracking FBRR requirements. This page has been expanded in SDWIS/STATE Web Release 1.0 (SSWr1) based on additional user requirements. You may develop queries/reports to assist with additional rule defined primacy reporting outside of the required national database reporting.

We will consider this event closed. If you have additional questions or concerns please do not hesitate to call.

Mark Rathbun 4/12/05: Thank you, Dianna, good explanation.

---

| 3/25/2005 | 10927 | SC | Elizabeth Florom | 1.2 |
|---|---|---|---|---|

**Status:** C

**Time Spent:** 1.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I am in the process of correcting the massive number of errors generated from SDWIS/FedRep for the Inventory. This number has been reduced considerably. We cannot figure out how to correct the remaining errors and would appreciate your assistance.

I am sending you the rejected, validated, RI xml files. Also the summary.html.

**Respondee(s):** Gopa Nair

**Resolution:** Gopa 3/29/2005: I informed Elizabeth that SDWIS/FedRep 1.2 will take care of most of the errors. The only two things she has to take care of are:

1. Enter service connection information for the 28 water systems that were rejected because they did not have service connections.

2. Enter a 'point line area code' or 'Geometric area code' for one lat/long record that does not have it.

---

| 4/11/2005 | 11022 | SC | Elizabeth Florom | 1.2 |
|---|---|---|---|---|

**Status:** C

This document is only an informal communication, NOT a formal SDC deliverable.

Page 29 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** SC will need the Oracle patch for Fed Rep 1.2.  If it is available would you please send it.

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/11/05:  The patch has not been released yet.  Here it is.

Please copy the attached "SelectViolation.class" to [FEDREP_HOME]/WEB-INF/classes/com/sdwis/FedRep/Extraction/Actions (FEDREP_HOME, refers to the folder path where the SDWIS/FedRep 1.2 software is installed)

Make sure to re-start Tomcat for the patch to take effect.

---

| 4/12/2005 | 11031 | SC | Elizabeth Florom | 1.2 |
|-----------|-------|-----|------------------|-----|

**Status:** C

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I ran SDWIS/FedRep 1.1.1 for Actions on a 3 year range and received the error R52170 Activity Achieve Date is required if Activity Type Code = "DONE" and Rule Code = "Lead" on all our DONE Milestone records.  Will SDWIS/FedRep 1.2 correct this error or is there something special I need to do?

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 4/12/2005:  You don't have to do anything because SDWIS/FedRep 1.2 will not give you this error message. Activity Achieve Date  has been made optional in SDWIS/FedRep 1.2.

---

| 3/31/2005 | 10957 | VT | Kris Kirby | |
|-----------|-------|-----|------------|--|

**Status:** C

**Time Spent:** 0.25

**SDWIS/STATE Component:** FedRep

This document is only an informal commuciation, NOT a formal SDC deliverable.

Page 30 of 37

**Date:**          **Event #:**          **Organization:**          **Originator:**                    **Release:**

**Problem/Question:**   I am installing SDWIS/FedRep for the first time.  The system I am installing it on is a Windows 2000 Server with IIS and JRUN4 installed.  For the purposes of SDWIS/FedRep, I am using the JRUN4 functionality to unpack the WAR file and host the application.

I am at the point in the installation where I have to edit the SystemProperty.txt file.  I have a number of questions about some of the required values that I need to enter in this file.

1.  User ID - In creating a username for SDWIS/FedRep to access the SDWIS/STATE database (on SQL Server), what access rights does that user account need to the database?

2.  OriginCode - The options are State, Region or Headquarters.  I have no idea which on to use.

3.  OriginName - Again, I have no idea what the USPS Code is.

4.  FedRepEmailAccount - Now, I have an address in the PrimaryFedRepContactEmail field, should this be the same address?  I understand that one is for receiving mail and the other is for sending. But in what situation(s) would they be different?

5.  ErrorReportSizeIncrements - What effect does changing this value have on system performance?

I think that covers it for my questions regarding that file.  Thank you for your attention to this and I look forward to your reply.

**Respondee(s):**   Fazal Mohammed

**Resolution:**   Fazal 03/31/2005: The detailed specification for filling the field values in the SystemProperty.txt File are mentioned in the SDWIS/FedRep Installation Guide.
The following values are specific to Kris Kirby's installation.

1. Userid/Password - Requires only SELECT privileges.
2. OriginCode - S
3. OriginName - VT
4. FedRepEmailAccount and PrimaryContactEmail can be the same.
5. ErrorReportSizeIncrements - changing it does not affect the performance.

---

4/1/2005          10964          VT                    Kris Kirby

**Status:**          C

**Time Spent:**          0.50

**SDWIS/STATE Component:**          FedRep

---

This document is only an informal communciation,
NOT a formal SDC deliverable.

Page 31 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

**Problem/Question:** I am installing SDWIS/FedRep for the first time and have come to an issue that I am stumped on. I believe the problem lies in the fact that I am not using Tomcat to host the SDWIS/FedRep application. Instead, I am using Macromedia JRUN4 (w/ Updater 4). Now, I have been able to modify the necessary configuration information from the Tomcat instructions to the JRUN4 environment up to this point:

When I try to access the SDWIS/FedRep application via my browser, I get the login.jsp page which asks for a Username and Password. However, I have not found a way to emulate the assignment of Username and Password in JRUN4 as it was described in the documentation for Tomcat (Section 2.1.3).

Would you be able to tell me where I could enter this information so that I will be able to login to the SDWIS/FedRep web page? Thank you in advance for you attention to this issue.

**Respondee(s):** Terrie Sutch

**Resolution:** Fazal 4/11/05: Jrun environment is not available at SDC. I recommeded Kris consult user forums to find information regarding "adding users and roles" using Jrun.

---

| 4/19/2005 | 11099 | WV | Jon Dahl |
|---|---|---|---|

**Status:** C

**Time Spent:** 2.00

**SDWIS/STATE Component:** FedRep

**Problem/Question:** We are having a problem with SDWIS/FedRep on the NODE server in WV. Please assist by reviewing the following error and let me know if this is a known error and what the solution is.

2005-Apr-19 at 15:00:20 EDT Start of Inventory Subject Area Processing for Job Number 15

2005-Apr-19 at 15:00:20 EDT Start of Extraction Tool for Inventory Subject Area and Job Number 15

2005-Apr-19 at 15:01:54 EDT End of Extraction Tool for Inventory Subject Area and Job Number 15

2005-Apr-19 at 15:01:54 EDT Start of Validation Tool for Inventory Subject Area and Job Number 15

2005-Apr-19 at 15:02:38 EDT Start of Notification Tool for Inventory Subject Area and Job Number 15

2005-Apr-19 at 15:02:38 EDT *** ERROR ***
org.xml.sax.SAXParseException: The processing instruction target matching "[xX][mM][lL]" is not allowed.

This document is only an informal communication, NOT a formal SDC deliverable.

Page 32 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|

```
at org.apache.xerces.util.ErrorHandlerWrapper.createSAXParseException(Unknown Source)
at org.apache.xerces.util.ErrorHandlerWrapper.fatalError(Unknown Source)
at org.apache.xerces.impl.XMLErrorReporter.reportError(Unknown Source)
at org.apache.xerces.impl.XMLErrorReporter.reportError(Unknown Source)
at org.apache.xerces.impl.XMLScanner.reportFatalError(Unknown Source)
at org.apache.xerces.impl.XMLScanner.scanPIData(Unknown Source)
at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanPIData(Unknown Source)
at org.apache.xerces.impl.XMLScanner.scanPI(Unknown Source)
at org.apache.xerces.impl.XMLDocumentScannerImpl$TrailingMiscDispatcher.dispatch(Unknown Source)
at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanDocument(Unknown Source)
at org.apache.xerces.parsers.XML11Configuration.parse(Unknown Source)
at org.apache.xerces.parsers.XML11Configuration.parse(Unknown Source)
at org.apache.xerces.parsers.XMLParser.parse(Unknown Source)
at org.apache.xerces.parsers.AbstractSAXParser.parse(Unknown Source)
at javax.xml.parsers.SAXParser.parse(Unknown Source)
at javax.xml.parsers.SAXParser.parse(Unknown Source)
at com.sdwis.FedRep.Utilities.MessageSummaryParser.startParsing(MessageSummaryParser.java:84)
at com.sdwis.FedRep.Notification.MessageSummaryReports.<init>(MessageSummaryReports.java:35)
at com.sdwis.FedRep.Notification.NotificationDriver.performXSLTConvertionAfterValidation(NotificationDriver.java:127)
at com.sdwis.FedRep.Notification.NotificationDriver.NotifyAfterValidation(NotificationDriver.java:218)
at com.sdwis.FedRep.Validation.ValidationDriver.validateDocument(ValidationDriver.java:117)
at com.sdwis.FedRep.Extraction.ExtractionValidationDispatcher.run(ExtractionValidationDispatcher.java:61)


2005-Apr-19 at 15:02:38 EDT *** ERROR ***


org.xml.sax.SAXParseException: The processing instruction target matching "[xX][mM][lL]" is not allowed.


at org.apache.xerces.parsers.AbstractSAXParser.parse(Unknown Source)
at com.sdwis.FedRep.Utilities.XSLTEngine.convertXmlToHtml(XSLTEngine.java:71)
at com.sdwis.FedRep.Notification.NotificationDriver.performReferentialIntegrity Transformation(NotificationDriver.java:171)
at com.sdwis.FedRep.Notification.NotificationDriver.performXSLTConvertionAfterValidation(NotificationDriver.java:133)
at com.sdwis.FedRep.Notification.NotificationDriver.NotifyAfterValidation(NotificationDriver.java:218)
at com.sdwis.FedRep.Validation.ValidationDriver.validateDocument(ValidationDriver.java:117)
at com.sdwis.FedRep.Extraction.ExtractionValidationDispatcher.run(ExtractionValidationDispatcher.java:61)


2005-Apr-19 at 15:02:38 EDT End of Notification Tool for Inventory
Subject Area and Job Number 15
```

| **Date:** | **Event #:** | **Organization:** | **Originator:** | **Release:** |
|---|---|---|---|---|

2005-Apr-19 at 15:02:38 EDT End of Validation Tool for Inventory
Subject Area and Job Number 15

2005-Apr-19 at 15:02:38 EDT End of Inventory
Subject Area Processing for Job Number 15

**Respondee(s):**     Gopa Nair

**Resolution:**     Gopa Nair 4/19/2005: This error ("The processing instruction target matching "[xX][mM][lL]" is not allowed.") usually means that the format of the first line in the XML file is incorrect. Could you send us the Inventory.xml located in \FedRep\JobFolders\15?

----------------------------------------------------------------------------------------------------
John Dahl 4/20/2005:

Gopa,

Here are the Inventory and Actions XML files from WV. They look OK to me. Please let me know if there are any obvious issues with this. As you know, we are ready willing and anxious to put SDWIS/FedRep into production mode in WV. We are so close, but we just need a little boost to get over the hump. We appreciate your quick responses to this issue.

----------------------------------------------------------------------------------------------------
Gopa Nair 4/20/2005: Looks like SDWIS/FedRep is re-using existing job folders, which should not have happened, and that is causing the XML error. Could you delete all the existing JobFolders (keep the parent 'JobFolders' folder but delete its sub folders), and rerun SDWIS/FedRep extraction and validation?

----------------------------------------------------------------------------------------------------
John Dahl 4/20/2005:

Gopa,

The problem is resolved. The DBA in WV "restored" the job folders and did not reset the next job number attribute in the systemproperty.txt file. I didn't even know he had "restored" the folders. I am kind of out of the loop being here in New Orleans.

Thanks for your help.

This document is only an informal communication,
NOT a formal SDC deliverable.

Page 34 of 37

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|

**Time spent on above events (in hours):** **32**

| Date: | Event #: | Organization: | Originator: | Release: |
|---|---|---|---|---|
| 3/18/2005 | 10899 | IL | Sandy Frank | 1.2 |

**Status:** C

**Time Spent:** 0.50

**SDWIS/STATE Component:** FedRep

**Problem/Question:** I already have SDWIS/FedRep 1.1 and am trying to get SDWIS/FedRep 1.2 installed.  I'm on the instructions on page 36 and 37 and I get an error trying to log on Tomcat Manager.

**Respondee(s):** Gopa Nair

**Resolution:** Gopa Nair 3/18/2005: I referred Sandy to the SDWIS/FedRep Installation and User Guide, Section 2.1.3. This section assigns the roles of admin and manager to the user name Administrator, as follows:

<user username="Administrator" password="Administrator" roles="admin,manager" />

After that, Sandy was able to log into the Tomcat administrator page.  I am going to keep the event open to handle any other issue that Sandy may report while installing SDWIS/FedRep 1.2.

Gopa Nair 3/25/2005: This event can be closed. FedRep 1.2 is working for Sandy.

**Time spent on above events (in hours):** **0.5**

| Date: | Event #: | Organization: | Originator: | Release: |
|-------|----------|---------------|-------------|----------|
| | **Total time on all events (in hours):** | | **47.5** | |